As a below named inventor, I hereby declare that:

This declaration is of the following type:

[X]	original
[]	divisional
Ī	continuation
ĪΪ	continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

RF POWER DELIVERY FOR PLASMA PROCESSING USING MODULATED POWER SIGNAL

SPECIFICATION IDENTIFICATION

The specification of which:

[X] []	is attached hereto was filed on	, under Application No	, executed on even
	date herewith; or [] Express Mail No	(as Application No. no	ot yet known)
[]	and was amended on was described and claimed	(if applicable) d in PCT International Application No	filed or
	and as	s amended under PCT Article 19 on	•

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

[] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

application(s) for patent or inventor's certificate or of any PCT international application(s) designating at lone country other than the United States of America listed below, and have also identified below any for application(s) for patent or inventor's certificate or any PCT international application(s) designating at lone country other than the United States of America filed by me on the same subject matter having a fidate before that of the application(s) of which priority is claimed.	eign least
[X] No such applications have been filed.	

	[]	* *		
	[] Such app	lications have been filed a	as follows:	
A.	Prior foreign/PCT and any priority c	Capplication(s) filed with laims under 35 U.S.C. §1	in 12 mos. (6 mos. f 19	For design) prior to this application,
	Country/PCT	Application No	Date Filed	Priority Claimed
				[] Yes [] No [] Yes [] No [] Yes [] No
В.	All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application			os for design) prior to this
	Country: Application No: Filing date:			
		PRIORITY CLA	AIM (35 U.S.C. §120))
as the in the to dis there to all	international applicate subject matter of east manner provided by sclose information the is substantial likelihow the application to	tion(s) designating the United of the claims of this apply the first paragraph of Tithe tis material to the example of that a reasonable Ex	plication is not disclottle 35, United States nination of this applaminer would consiductived between the	f any United States application(s) or a that is/are listed below and, insofar osed in that/those prior application(s) Code, §112, I acknowledge the duty ication (namely, information where der it important in deciding whether filing date of the prior application(s)
	[X] No such [] Such app	applications have been fi plications have been filed	led , as follows:	
			D / 1	_Status Pending <u>Abandoned</u>
	Application No.	Filing Date	<u>Patented</u>	<u>Pending</u> <u>Abandoned</u>

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Michael L. Sherrard Peter J. Sgarbossa Donald Verplancken Lawrence Edelman Michael B. Einschlag Leslie A. Weise Raymond Kam-On Kwong James C. Wilson Sarah J. Brashears Robert W. Mulcahy Robert C. Colwell William L. Shaffer	Registration No. 28,041 Registration No. 25,610 Registration No. 33,217 Registration No. 25,226 Registration No. 29,301 Registration No. 36,305 Registration No. 37,165 Registration No. 35,412 Registration No. 38,087 Registration No. 25,436 Registration No. 27,431 Registration No. 37,234
Patrick R. Jewik	Registration No. 40,456
Send correspondence to:	Direct telephone calls to:
Patent Counsel, MS/2061	Patrick R. Jewik
Legal Affairs Dept. Applied Materials, Inc. P.O. Box 450A Santa Clara, CA 95052	(650) 326-2400

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or fi	rst inventor: LIANG-G	JUO WANG	
Inventor's signature:		Date:	
Residence: Post Office Address:	Milpitas, CA 95035 59 Jacklin Circle, Milpitas, United States	, CA 95035 Country of Citizenship:	United States
Full name of second in	nventor: KWOK M. WON	G	
Inventor's signature:		Date:	
Residence: Post Office Address:	San Jose, CA 95129 1636 Larkin Avenue, San United States	Jose, CA 95129 Country of Citizenship:	United States

•				
Inventor's signature:	Date:			
Residence: Post Office Address:	San Jose, CA 95120 6536 Little Falls Drive, San Jose, CA 95120 United States Country of Citizenship:	United States		
Full name of fourth inventor: KARTIK RAMASWAMY				
Inventor's signature	Kutik Kunalwany Date:	Jan 20,01		
Residence:	Santa Clara, CA 95051 3282 St. Ignatius Place #322, Santa Clara, CA 95051			
Post Office Address:	3202 St. Ighanus I lace #322, Saina Clara, CII 73031	т 1:		

SHAMOUIL SHAMOUILIAN

(Declaration ends with this page)

Country of Citizenship:

India

SF 1173399 v1

Full name of third inventor:

United States

'As a below named	inventor,	I hereby	declare that:
-------------------	-----------	----------	---------------

This declaration is of the following type:

[X] original[] divisional[] continuation[] continuation-in-part

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	and was amended on	(if applicable)	
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	and as a	mended under PCT Article 19 on	

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PRIORITY CLAIM (35 U.S.C. §119)

application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least
one country other than the United States of America listed below, and have also identified below any foreign
application(s) for patent or inventor's certificate or any PCT international application(s) designating at least
one country other than the United States of America filed by me on the same subject matter having a filing
date before that of the application(s) of which priority is claimed.

[X] No such applications have been filed.

	[] Such appl	ications have been filed as f	ollows:	
A.		application(s) filed within laims under 35 U.S.C. §119	12 mos. (6 mos.	for design) prior to this application
	Country/PCT	Application No	Date Filed	Priority Claimed
				[] Yes [] No [] Yes [] No [] Yes [] No
В.	All foreign application	ation(s), if any, filed more th	nan 12 mos. (6 n	nos for design) prior to this
	Country: Application No: Filing date:			
		PRIORITY CLAIM	(35 U.S.C. §12	0)
PCT in as the sin the into discontinuous there is to allow	nternational applications of each subject matter of each manner provided by close information that is substantial likelihow the application to its substantial likelihood.	on(s) designating the United h of the claims of this applica the first paragraph of Title 3 at is material to the examina and that a reasonable Examina	States of Americation is not disclete, United States tion of this applacer would considered between the	f any United States application(s) of a that is/are listed below and, insofatosed in that/those prior application(s) Code, §112, I acknowledge the duty ication (namely, information where der it important in deciding whether filing date of the prior application(s)
		pplications have been filed ications have been filed, as i	follows:	
		_		Status
	Application No.	Filing Date	Patented	Pending Abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Michael L. Sherrard	Registration No. 28,041
Peter J. Sgarbossa	Registration No. 25,610
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Michael B. Einschlag	Registration No. 29,301
Leslie A. Weise	Registration No. 36,305
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Sarah J. Brashears	Registration No. 38,087
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Robert C. Colwell	Registration No. 27,431
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Applied Materials, Inc.

Santa Clara, CA 95052

P.O. Box 450A

DECLARATION

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Full name of sole or fi	rst inventor: LIAN	G-GUO WANG	
Inventor's signature:		Date:	
Residence: Post Office Address:	Milpitas, CA 95035 59 Jacklin Circle, Milpi United States	itas, CA 95035 Country of Citizenship:	United States
Full name of second in	nventor: KWOK M. W	ONG	
Inventor's signature: Residence:	San Jose, CA 95129 1636 Larkin Avenue, S	1	1/19/2001
Post Office Address:	United States	Country of Citizenship:	United States

Full name of third inve	entor: SHAMOUIL SH.	AMOUILIAN			
Inventor's signature: Residence: Post Office Address:	San Jose, CA 95120 6536 Little Falls Drive, Sa United States	Date: an Jose, CA 95120 Country of Citizenship:	United States		
Full name of fourth in	ventor: KARTIK RAMA	SWAMY			
Inventor's signature: Residence:	Santa Clara, CA 95051	Date: 22, Santa Clara, CA 95051			
Post Office Address:	United States	Country of Citizenship:	India		
(Declaration ends with this page)					

SF 1173399 vI

As a below named inventor, I hereby declare that:

This	dec.	laration	is	of	the	fol	lowin	g	typ	e:

[X] original[] divisional[] continuation[] continuation-in-part

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[X]	is attached hereto was filed on	, under Application No.	executed on even
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	and was amended on	(if applicable)	
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[] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

one co applica	untry other than the ation(s) for patent or ountry other than the	inventor's certificate or of united States of America I inventor's certificate or at United States of America lication(s) of which priori	isted below, and har ny PCT internationa filed by me on the	ve also identifical application(s	designating at least
	[X] No such a	pplications have been file	d.		
	[] Such appl	ications have been filed a	s follows:		
A.	Prior foreign/PCT and any priority cl	application(s) filed within aims under 35 U.S.C. §13	n 12 mos. (6 mos. 1	for design) prid	or to this application,
	Country/PCT	Application No	Date Filed	Prio	rity Claimed
				1 - 3	Yes [] No Yes [] No Yes [] No
В.	All foreign applic U.S. application	ation(s), if any, filed more	e than 12 mos. (6 m	nos for design)	prior to this
	Country: Application No: Filing date:				
		PRIORITY CLA	IM (35 U.S.C. §120	0)	
PCT i as the in the to dis- there to allo	nternational applicat subject matter of each manner provided by close information this substantial likelihow the application to me national or PCT in [X] No such a	under Title 35, United Station(s) designating the United of the claims of this appropriate the first paragraph of Title at is material to the example odd that a reasonable Example as a patent) which och ternational filing date of applications have been filled the title of the state of the s	red States of Americalication is not disclessed 35, United States ination of this applacement would consider the coursed between the this application.	es that is/are its osed in that/tho Code, §112, I lication (namel der it importan	se prior application(s) acknowledge the duty y, information where t in deciding whether
	[] Such app	lications have been filed,	as follows.	Status	
	Application No.	Filing Date	Patented	_Status Pending	Abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

3 61 1 1 7 01 1	Designation No. 29 041
Michael L. Sherrard	Registration No. 28,041
Peter J. Sgarbossa	Registration No. 25,610
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Michael B. Einschlag	Registration No. 29,301
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Applied Materials, Inc.	
* *	
P.O. Box 450A	

Santa Clara, CA 95052

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Full name of sole or fi	rst inventor: LIANG-G	UO WANG			
Inventor's signature: Residence: Post Office Address:	Milpitas, CA 95035 59 Jacklin Circle, Milpitas, CA 95035				
1 0st Office Hadress.	United States	Country of Citizenship:	United States		
Full name of second in	nventor: KWOK M. WON	G			
Inventor's signature:		Date:			
Residence:	San Jose, CA 95129	C 4 05100			
Post Office Address:	1636 Larkin Avenue, San J United States	Country of Citizenship:	United States		

Inventor's signature: Residence: Post Office Address:	San Jose, CA 95120 6536 Little Falls Drive, Sar		e: //1 2 /0)
	United States	Country of Citizenshi	o: United States
Full name of fourth in Inventor's signature:	ventor: KARTIK RAMAS	SWAMY Da	re:
Residence:	Santa Clara, CA 95051	· · · · · · · · · · · · · · · · · · ·	
Post Office Address:	3282 St. Ignatius Place #32	2. Santa Clara, CA 950	51
2 337 3 222 7 7 7 7 7 7 7 7 7 7 7 7 7 7	United States	Country of Citizenshi	

SHAMOUIL SHAMOUILIAN

(Declaration ends with this page)

SF 1173399 v1

Full name of third inventor:

As a below na	med inventor, I hereby declare that:
This declaration	on is of the following type:
[X] [] []	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
original, first a	post office address and citizenship are as stated below next to my name. I believe I am the nd sole inventor (if only one name is listed below) or an original, first and joint inventor (if re listed below) of the subject matter which is claimed and for which a patent is sought on the led:
	TITLE OF INVENTION
RF POWER	DELIVERY FOR PLASMA PROCESSING USING MODULATED POWER SIGNAL
	SPECIFICATION IDENTIFICATION
The specificati	on of which:
[X] []	
AC	KNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
•	that I have reviewed and understand the contents of the above-identified specification, laims, as amended by any amendment referred to above.
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PRIORITY CLAIM (35 U.S.C. §119)

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one country other than the United States of America listed below, and have also identified below any foreign
application(s) for patent or inventor's certificate or any PCT international application(s) designating at least
one country other than the United States of America filed by me on the same subject matter having a filing
date before that of the application(s) of which priority is claimed.

	[X] No such applications have been filed.							
	[] Such applications have been filed as follows:							
A.		_	application(s) filed within aims under 35 U.S.C. §11	•	. for design	n) prior to th	nis application,	
	Coun	try/PCT	Application No	Date Filed		Priority Cl	aimed	
						[] Yes [[] Yes [[] Yes [No No No No	
В.		eign applica	ation(s), if any, filed more	than 12 mos. (6 i	mos for de	sign) prior t	o this	
	Country: Application No: Filing date:							
	PRIORITY CLAIM (35 U.S.C. §120)							
I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.								
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United States

Patrick R. Jewik (650) 326-2400

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Full name of sole or fir	rst inventor: LIANG-G	UO WANG	
Inventor's signature: Residence: Post Office Address:	Milpitas, CA 95035 59 Jacklin Circle, Milpitas, United States	Date: CA 95035 Country of Citizenship:	January 15,200 United States
Full name of second in	eventor: KWOK M. WONG	\Im	
Inventor's signature:		Date:	
Residence:	San Jose, CA 95129		
Post Office Address:	1636 Larkin Avenue, San J	ose, CA 95129	

Country of Citizenship:

United States

Inventor's signature:		Date:	
Residence:	San Jose, CA 95120		
Post Office Address:	6536 Little Falls Drive, San Jose, CA 95120		
	United States	Country of Citizenship:	United States
Full name of fourth inv	ventor: KARTIK RAMAS	SWAMY Date:	
Inventor's signature:	G + C1 - G + 05051	Date.	
Residence: Santa Clara, CA 95051			
Post Office Address:	3282 St. Ignatius Place #32 United States	Country of Citizenship:	India

SHAMOUIL SHAMOUILIAN

(Declaration ends with this page)

SF 1173399 v1

Full,name of third inventor: